MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

BR 419 / 11-12-2015

1st & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225329

EE/SSD/BR-419/15-16

Serial No. .....

Name of Work ..... Improvements to roads & drains in Basaweshwara Road 4/S, near 8th 'D' cross road, Balance portion in ward-13, From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work ..... in Shettyfalli sub-division.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Work order No : EE/DD/WO/05/2015-16, Dt : 15/04/2015						
2)	Job Code No : 013-15-000005						
3)	AA No : AC/D2/AA/025/14-15, Dt : 02/09/2014						
4)	TS No : EE/DD/TS/022/14-15, Dt : 02/09/2014						
5)	Est Cost : Rs. 8.00 Lakhs						
6)	P Code : 1771						
7)	Date of Recording : 29-5-15						
8)	Name of Agency : KRIDL						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of building, culverts, road drains and trenches of pipelines and cables) and removing the excavated stuff to a distance not exceeding 50 m, and lift upto 1.5 m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed Complete as per specification and direction of Engineer-in-charge of the work.						
	TMB Page no :- 225377/1				Qty vide	22.28	Cum
					@ Rs.	124.02	⇒ 2763=00
2)	Removing BS Slab of drain and stacking. Complete as per specification and direction of Engineer-in-charge of the work.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225330

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	TMB page no :- 225377/1				Qty vide	41.31	Sqm
					@ Rs.	49.18	⇒ 2032-00
3)	Refixing stone slabs of drains and pointing in Complete as per specification and direction of Engineer-in-charge of the work.						
	Qty vide Item no-2					41.31	Sqm
					@ Rs.	68.74	⇒ 2840-00
4)	Providing granite slabs of selected quality roughly dressed & fixed in cement mortar (1:6) including fixing curing etc. Complete as per specification & direction of Engineer-in-charge of the work.						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	missing Qty 15% of Item no. 05					7.29	sqm
					@ Rs.	337.08	⇒ 2457=00
5)	Earthwork Excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specification and direction of Engineer-in-charge of the work.						
	TMB Page No:- 225377/2				Qty vide	115.20	Cum

M. A. R. 57 (Rule 116)
Measurement Book

No. B

225331

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					@ Rs.	148.93	⇒ 17,157 =00
6)	Providing and laying in position plain cement concrete of nominal mix m10 with OPC Cement @ 220 kgs, with 40 mm & d/s graded granite metal machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation & plinth, including cost of all materials, labour, Hire of machinery, curing complete as per specification & direction of Engineer-in-charge of the work.						
	TMB page No:- 225378/1				Qty vide	17.88	Cum
					@ Rs.	4413.84	⇒ ~~78939=00~~

78919=00

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

225332

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7)	Providing & constructing basement with cement granite/ flap/ basalt size stone masonry in mortar 1:6, in courses not less than 15 cms high, edges of stones dressed apart in each course including cost of materials, bond stones at two m, Complete as per specification and direction of Engineer-in-charge of the work.						
	~~For culverts~~	~~2~~	~~4.80~~	~~0.60~~	~~0.80~~	~~4.61~~	
		~~2~~	~~3.80~~	~~0.60~~	~~0.80~~	~~3.65~~	
	Qty vide p. onwards @ p. 225379-				Qty vide	8.26 cum	
					@ Rs.	5208.84 ⇒ 43004.00	
10)	Providing TMT Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, Hire of machinary Complete as per specification and direction of Engineer-in-charge of the work.						
	TM B page no: 225378/2				Qty vide	16.39	
					Qty limited to	15.44 Qtls	
					@ Rs.	7244.04 ⇒ 1,11,877=00	
8)	Providing and laying cement Concrete using 20 mm & downsize granite coarse aggregates and fine aggregates of ready mixed						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Concrete (RMC) for RCC works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc, complete (exclusive of Cost of steel and fabrication charges) Ready mixed Cement Concrete M20 for raft foundation, column footing, main & secondary beams, complete as per specification and direction of Engineer-in-charge of the work.						
	Damaged road cutting	1	12.00	4.10	0.15	7.38	
	Damaged	1	10.00	0.60	0.15	0.90	
					Qty vide	8.28	Cum
					@ Rs.	6345.16 ⇒	52538=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225333

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC Cement @ 340 kgs, with 20mm, & down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, hire of machinery, curing complete as per specification and direction of Engineer-in-charge of the work.						

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 225334

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	TMB Page No : 225379/1				Qty vide @ Rs.	28.56 Cum 5535.32 ⇒ 158088=00	
11)	Providing and removing, centering, shuttering strutting, propping etc, and removal of form work for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification and direction of Engineer-in-charge of the work.						
	TMB page No : 225379/2				Qty vide @ Rs.	216.00 Sqm 311.64 ⇒ 67314=00	
12)	Providing & laying reinforced cement precast slabs of mix cc 1:1½:3 using 20 mm & downsize graded Granite metal using HYSD 10 mm dia steel @ 100 mm c/c both ways & Complete						

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	as per specification and direction of Engineer-in-charge of the work.						
	Rcc drain	1	30.00	0.90		27.00	
		1	16.50	0.90		14.85	
		1	18.00	0.90		16.20	
	missed slabs	25	0.60	0.90		13.50	
	mantapada road	18	0.60	0.90		9.72	
	Basaweshwara road	13	0.60	0.90		7.02	
	Ashwath Katte road	15	0.60	0.90		8.10	
					Qty vide	96.39 Sqm	
					@ Rs.	1600.00 ⇒ 1,54,224=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 km a) Basic rate for haulage of materials as per item no. 17.4/KSRRB : m100-4.1 .... Rs. 2.00 Tonne/km b) Average earth of work 1.28 Tonne/km for Rs. 2.00/km. c) add loading and unloading complete as per specification & direction of Engineer-in-charge of the work. Qty vide Item no :- 1 + 5					137.48 Cum @ Rs. 74.07 ⇒ 10,183=00	
						Grand total Rs.	7,03,416=00
	Add - 10% KRIDL Charges + 1% cess charges					⇒	88,000=00
	+ 1% Quality test Report charges					⇒	8,000=00
							7,99,416=00

7,73,735=00

Ckd & Pl

Sd/- 29/5/15

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

225335

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Bill Amount of		Rs.	7,99,416=00

Certificate:-

1) The Contractor has done the work satisfactory.
2) The Contractor has remove the debris from the worksplt.

Sd/-

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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29-5-15

29-5-15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8